

CLAIMS

1. A disposable absorbent article comprising:
a liquid permeable top sheet;
a liquid impermeable back sheet; and
5 an absorbent layer disposed between said top sheet and said
back sheet and comprising super absorbent polymer granules directly
adhered to said back sheet by an adhesive.
2. The article of Claim 1, wherein said top sheet comprises a
material selected from the group consisting of porous foams, apertured films,
10 natural fibers and plastic synthetic fibers.
3. The article of Claim 1, wherein said back sheet comprises a film
selected from the group consisting of extruded polyethylene and extruded
polypropylene.
4. The article of Claim 1, wherein said super absorbent polymer is
15 a cross-linked sodium polyacrylate.
5. The article of Claim 1, wherein said super absorbent polymer is
an acidic super absorbent polymer.
6. The article of Claim 1, wherein said adhesive is selected from
the group consisting of organic adhesives, vegetable adhesives and synthetic
20 adhesives.
7. The article of Claim 6, wherein said synthetic adhesives are
selected from the group consisting of thermo-setting adhesives, thermoplastic
resins and elastomeric adhesives.
8. The article of Claim 1, wherein the article has a thickness of
25 between about 0.015 and 0.025 inches.
9. A packaged roll of disposable articles comprising a plurality of
absorbent pads, selectively separable from one another, each said pad
including a liquid-permeable top sheet, a liquid-impermeable back sheet, and
an absorbent layer disposed therebetween and defined solely by super

absorbent polymer granules directly adhered to said back sheet.

10. The roll of Claim 9, wherein said top sheet comprises a material selected from the group consisting of porous foams, apertured films, natural fibers and plastic synthetic fibers.

5 11. The roll of Claim 9, wherein said back sheet comprises a film selected from the group consisting of extruded polyethylene and extruded polypropylene.

12. The roll of Claim 9, wherein said super absorbent polymer is a cross-linked sodium polyacrylate.

10 13. The roll of Claim 9, wherein said super absorbent polymer is an acidic super absorbent polymer.

14. The roll of Claim 9, wherein said adhesive is selected from the group consisting of organic adhesives, vegetable adhesives and synthetic adhesives.

15 15. The roll of Claim 9, wherein said adhesive is selected from the group consisting of organic adhesives, vegetable adhesives and synthetic adhesives.

16. The roll of Claim 15, wherein said synthetic adhesives are selected from the group consisting of thermo-setting adhesives, thermoplastic
20 resins and elastomeric adhesives.

17. The roll of Claim 9, wherein said pads are selectively separable from one another along a transverse score line.

18. The roll of Claim 9, wherein each pad has a thickness of between about 0.015 and 0.025 inches.